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REC-11-13

S. C. PUBLIC SERVICE COMMISSION
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February 5, 2013

The Honorable Jocelyn Boyd
Chief Clerk and Administrator
The Public Service Commission of South Carolina
Post Office Drawer 11649
Columbia, South Carolina 29211

Dear Ms. Boyd:

We are enclosing a copy of information related to fuel costs as required by the Public Service Commission of South Carolina, Order Number 79-21, Docket Number 18,362 dated January 15, 1979.

Sincerely,

Allen W. Rooks

ckw

Enclosures

- c: John W. Flitter, Director of Electric & Gas Regulation, Office of Regulatory Staff
- Jay Jashinsky, Director of Auditing, Office of Regulatory Staff
- Scott Elliott, Esquire
- Damon E. Xenopoulos, Esquire
- Catherine Taylor, Esquire (C222)
- K. Chad Burgess, Esquire (C222)
- Mark Cannon (C101)
- Michael Shinn (B221)
- Paul Weiland (B221)



RATE SERVICES DEPARTMENT

Subject: Factor for Computing
Over/Under Recovery

Date: January 11, 2013

To: Lisa Honeycutt (B131)
D & T Auditor (Lauren Hubert)
Dow Bailey (B203)

From: Allen Rooks

The following is a computation of the over/under recovery revenue factor for sales in December 2012.

	Old Base Fuel	New Base Fuel
1. Total Cost of Fossil Fuel Burned	\$48,030,384.01	\$48,030,384.01
2. Nuclear Fuel Costs	\$4,117,322.89	\$4,117,322.89
3. Purchased & Interchange Power Fuel Costs	\$17,061,860.85	\$17,061,860.85
4. Fuel Cost Recovered Through Intersystem Sales	\$3,846,591.79	\$3,846,591.79
5. Total Fuel Cost (Line 1 + 2 + 3 - 4)	\$65,362,975.96	\$65,362,975.96
6. Total System Sales Excluding Intersystem Sales (KWH)	1,743,504,160	1,743,504,160
7. Fuel Cost per KWH Sales (Line 5 / Line 6)	\$0.037489	\$0.037489
8. Less Base Cost per KWH	\$0.035410	\$0.032780
9. Fuel Adjustment per KWH (Line 7 - Line 8)	\$0.00208	\$0.00471

SOUTH CAROLINA ELECTRIC AND GAS COMPANY
ELECTRIC BASE FUEL OVER/UNDER RECOVERY REVENUE COMPUTATION

December 2012

The computation for Electric Base Fuel Over/Under Recovery Revenue is as follows:

	<u>KWH</u>	<u>KWH BILLED</u> <u>@ .03541</u>	<u>KWH BILLED</u> <u>@ .03278</u>	<u>TOTAL</u> <u>OVER/UNDER</u> <u>REVENUE</u>
	1,743,504,160	1,743,154,268	349,892	
LESS:				
INTERNATIONAL PAPER STAND-BY	1,102,040	1,102,040		
MUNICIPALS	75,602,197	75,602,197		
COOPERATIVES	12,678,351	12,678,351		
	<hr/>	<hr/>	<hr/>	
KWH SUBJECT TO SURCHARGE	1,654,121,572	1,653,771,680	349,892	
OVER/UNDER RECOVERY FACTOR		0.00208	0.00471	
OVER/UNDER RECOVERY REVENUE		\$3,439,845	\$1,648	\$3,441,493

South Carolina Electric & Gas Company
Monthly Calculation of Variable Environmental Fuel Cost Recovery
December 2012

Version:

Total Monthly Environmental Fuel Costs

SO2 Allowances	\$ 24,129.13
NOx Allowances	\$ -
Lime	\$ 1,153,010.27
Ammonia	\$ 762,777.42
Less: Env. Costs in System Sales	\$ -
Other	\$ -
Total	\$ 1,939,916.82

Allocation and Recovery of Costs

Class (Col. A)	Demand Allocation (Col. B)	Allocated Environmental Cost (Col. C)	KWH Sales (Col. D)	Environmental Fuel Factor (per KWH) (Col. E)	Environmental Cost Collected (Col. F)	(Over)/Under Recovery (Col. G)	Environmental Prior Period Adjustment(s) (Col. H)	Total for Booking Purposes (Col. I)
Residential	45.94%	\$ 891,198	583,010,014	\$ 0.00093	\$ 542,199	\$ 348,999	\$ -	\$ 348,999
Small General Service	17.49%	\$ 339,291	237,352,291	\$ 0.00087	\$ 206,496	\$ 132,795	\$ -	\$ 132,795
Medium General Service	9.98%	\$ 193,604	177,293,839	\$ 0.00069	\$ 122,333	\$ 71,271	\$ -	\$ 71,271
Large General Service**	22.41%	\$ 434,735	632,805,476	\$ 0.00043	\$ 272,106	\$ 162,629	\$ -	\$ 162,629
Retail Totals:	95.82%	\$ 1,858,828	1,630,461,620		\$ 1,143,134	\$ 715,694	\$ -	\$ 715,694

South Carolina Electric & Gas Company
Cumulative Retail Variable Environmental Fuel Cost Recovery

Month	Actual					
	May, 2012	Jun, 2012	Jul, 2012	Aug, 2012	Sep, 2012	Oct, 2012
Beginning Balance	\$ 3,346,520	\$ 3,136,542	\$ 2,909,613	\$ 2,410,036	\$ 2,180,525	\$ 1,570,140
Retail Cost Allocation	\$ 1,072,503	\$ 1,104,224	\$ 1,167,776	\$ 1,246,278	\$ 664,518	\$ 613,011
Revenue Recovery	\$ 1,198,025	\$ 1,290,652	\$ 1,565,137	\$ 1,566,760	\$ 1,331,754	\$ 1,174,525
Monthly (Over)/Under	\$ (125,522)	\$ (186,428)	\$ (397,361)	\$ (320,482)	\$ (667,236)	\$ (561,514)
Adjustments	\$ -	\$ (2)	\$ -	\$ -	\$ -	\$ -
Unbilled Environmental Fuel Adj.	\$ (84,456)	\$ (40,499)	\$ (102,216)	\$ 90,971	\$ 56,851	\$ 85,723
Ending Balance	\$ 3,136,542	\$ 2,909,613	\$ 2,410,036	\$ 2,180,525	\$ 1,570,140	\$ 1,094,349

Month	Actual				Forecast			
	Nov, 2012	Dec, 2012	Jan, 2013	Feb, 2013	Mar, 2013	Apr, 2013		
Beginning Balance	\$ 1,094,349	\$ 957,691	\$ 1,654,375	\$ 949,231	\$ 856,441	\$ 602,905		
Retail Cost Allocation	\$ 1,000,260	\$ 1,858,828	\$ 698,221	\$ 1,093,109	\$ 865,750	\$ 440,746		
Revenue Recovery	\$ 1,008,304	\$ 1,143,134	\$ 1,420,524	\$ 1,314,852	\$ 1,161,312	\$ 1,038,976		
Monthly (Over)/Under	\$ (8,044)	\$ 715,694	\$ (722,303)	\$ (221,743)	\$ (295,562)	\$ (598,230)		
Adjustments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Unbilled Environmental Fuel Adj.	\$ (128,614)	\$ (19,010)	\$ 17,159	\$ 128,953	\$ 42,026	\$ 118,512		
Ending Balance	\$ 957,691	\$ 1,654,375	\$ 949,231	\$ 856,441	\$ 602,905	\$ 123,187		

SCE&G

Analysis of Prepaid Municipal Fees

As of December 31, 2012

	<u>Electric</u>
Prepaid Municipal Fee Balance at December 31, 2011	\$42,463,770
Less Current Year Amortization	(\$42,463,770)
Unamortized Balance of Prior Year Prepayment	<u>\$0</u>
Plus: Current Year Prepayments for 2013	\$42,832,214
Prepaid Municipal Fee Balance at December 31, 2012	<u><u>\$42,832,214</u></u>



Monthly Event Report **Report Period: 12/1/2012 - 12/31/2012**

Print Date: 1/15/2013

Event #	Started	Completed	Dur	Type	Verbal Description	Probable Cause/Corrective Action
Canadys						
Unit: 1						
19	12/31/2012 5:16:00 PM	12/31/2012 11:59:59 PM	678.73	RS	Economic Dispatch	
			Event Type Totals:	RS	678.73	
20	12/31/2012 11:59:59 PM	12/31/2012 11:59:59 PM	0.00	RU	Unit Retired	Unit one was officially retired from service.
			Event Type Totals:	RU	0.00	
Canadys						
Unit: 2						
23	12/7/2012 11:10:00 AM	12/31/2012 11:59:59 PM	588.83	RS	Economic Dispatch	
			Event Type Totals:	RS	588.83	
Canadys						
Unit: 3						
33	12/5/2012 12:36:00 AM	12/31/2012 11:59:59 PM	647.40	RS	Economic Dispatch	
			Event Type Totals:	RS	647.40	
			Canadys Total Event Hrs:		1914.96	
Cope						
Unit: 1						
19	12/4/2012 11:06:00 AM	12/4/2012 12:52:00 PM	1.77	D1	B FD Fan Tripped	This event was due to the high conductivity on the internal cooling pump for the fan's VFD.
			Event Type Totals:	D1	1.77	
18	12/4/2012 7:32:00 AM	12/4/2012 10:34:00 AM	3.03	D4	A FD Fan VFD Inspection	This event was due to taking the 'A' FD fan out of service to inspect the cooling system for the fan's VFD.
			Event Type Totals:	D4	3.03	
			Cope Total Event Hrs:		4.80	
Jasper						
Unit: 1						
31	12/1/2012	12/2/2012 3:00:00 PM	39.00	MO	Steam Turbine GSU Repair	Repaired steam turbine GSU transformer wiring.
			Event Type Totals:	MO	39.00	
32	12/2/2012 3:00:00 PM	12/3/2012 3:00:00 PM	24.00	RS	Economic Dispatch	
33	12/10/2012 9:55:00 PM	12/13/2012 4:09:00 AM	54.23	RS	Economic Dispatch	
34	12/15/2012 10:41:00 PM	12/20/2012 7:41:00 AM	105.00	RS	Economic Dispatch	
			Event Type Totals:	RS	183.23	
Jasper						
Unit: 2						
27	12/1/2012 12:10:00 AM	12/2/2012 3:00:00 PM	38.83	MO	Steam Turbine GSU Wiring Repair	Repaired steam turbine GSU transformer wiring.
			Event Type Totals:	MO	38.83	
28	12/2/2012 3:00:00 PM	12/3/2012 12:46:00 PM	21.77	RS	Economic Dispatch	
29	12/30/2012 10:55:00 AM	12/30/2012 4:21:00 PM	5.43	RS	Economic Dispatch	
			Event Type Totals:	RS	27.20	

Event # Started Completed Dur Type Verbal Description Probable Cause/Corrective Action

Jasper Unit: 3

70	12/1/2012 12:00:01 AM	12/2/2012 3:00:00 PM	39.00	MO	Stream Turbine GSU Repair	Repaired steam turbine GSU transformer wiring.
			Event Type Totals:		MO	39.00
71	12/2/2012 3:00:00 PM	12/3/2012 8:38:00 AM	17.63	RS	Economic Dispatch	
72	12/8/2012 10:33:00 PM	12/12/2012 6:02:00 AM	79.48	RS	Economic Dispatch	
73	12/15/2012 1:42:00 PM	12/15/2012 4:27:00 PM	3.25	RS	Economic Dispatch	
74	12/25/2012 10:25:00 PM	12/26/2012 6:18:00 AM	7.88	RS	Economic Dispatch	
			Event Type Totals:		RS	108.24

Jasper Unit: 4

17	12/1/2012 12:09:00 AM	12/2/2012 3:00:00 PM	38.85	MO	Stream Turbine GSU Repair	Repaired steam turbine GSU transformer wiring.
			Event Type Totals:		MO	38.85
18	12/2/2012 3:00:00 PM	12/3/2012 10:11:00 AM	19.18	RS	Economic Dispatch	
			Event Type Totals:		RS	19.18
			Jasper Total Event Hrs:			493.53

McMeekin Unit: 1

11	12/1/2012	12/2/2012 9:51:00 PM	45.85	D1	Condenser Back Pressure High	Inspected and Palmetto Industrial cleaned tubes.
			Event Type Totals:		D1	45.85

12 12/2/2012 9:51:00 PM 698.15 RS Economic Dispatch

			Event Type Totals:		RS	698.15
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McMeekin Unit: 2

15	12/3/2012 9:56:00 PM	12/4/2012 5:30:00 PM	19.57	MO	Boiler Tube Leak	Repaired leak in curtain wall on east side elevation 220.
			Event Type Totals:		MO	19.57

16	12/4/2012 5:30:00 PM	12/31/2012 11:59:59 PM	654.50	RS	Economic Dispatch	
			Event Type Totals:		RS	654.50
			McMeekin Total Event Hrs:			1418.07

Urquhart Unit: 1

41	12/3/2012 10:32:00 PM	12/18/2012 2:24:00 PM	351.87	RS	Economic Dispatch	
42	12/23/2012 11:15:00 PM	12/31/2012 3:27:00 AM	172.20	RS	Economic Dispatch	
43	12/31/2012 12:54:00 PM	12/31/2012 11:59:59 PM	11.10	RS	Economic Dispatch	
			Event Type Totals:		RS	535.17

Urquhart Unit: 2

39	12/1/2012	12/1/2012 12:28:00 AM	0.47	PO	Lube Oil System Valves & Piping	Performed a variety of work including repair of M. S. V. lube oil return piping to reservoir.
			Event Type Totals:		PO	0.47

Probable Cause/Corrective Action

Event #	Started	Completed	Dur	Type	Verbal Description
40	12/14/2012 2:36:00 PM	12/23/2012 1:43:00 PM	215.12	RS	Economic Dispatch
41	12/31/2012 11:00:00 PM	12/31/2012 11:59:59 PM	1.00	RS	Economic Dispatch
		Event Type Totals:	RS 216.12		

Urquhart Unit: 3

14	12/7/2012 12:11:00 PM	12/31/2012 11:59:59 PM	587.82	RS	Economic Dispatch
		Event Type Totals:	RS 587.82		

Urquhart Unit: 5

50	12/3/2012 10:33:00 PM	12/18/2012 8:32:00 AM	345.98	RS	Economic Dispatch
51	12/23/2012 11:16:00 PM	12/30/2012 8:32:00 PM	165.27	RS	Economic Dispatch
52	12/31/2012 1:26:00 PM	12/31/2012 11:59:59 PM	10.57	RS	Economic Dispatch
		Event Type Totals:	RS 521.82		

Urquhart Unit: 6

48	12/14/2012 7:14:00 PM	12/22/2012 3:00:00 PM	187.77	RS	Economic Dispatch
50	12/31/2012 11:03:00 PM	12/31/2012 11:59:59 PM	0.95	RS	Economic Dispatch
		Event Type Totals:	RS 188.72		

49 12/22/2012 3:00:00 PM 12/23/2012 7:20:00 AM 16.33 SF Starting System (incl. Motor) Contactor failed on motor for LCI Static Start Switch (89SS) - replaced contactor.

Event Type Totals: SF 16.33
Urquhart Total Event Hrs: 2066.45

Waterree Unit: 1

24	12/1/2012	12/2/2012 10:10:00 AM	34.17	U1	Mark VI Control Problems
25	12/27/2012 6:00:00 PM	12/27/2012 10:55:00 PM	4.92	U1	1A ID Fan Tripped
		Event Type Totals:	U1 39.09		

Waterree Unit: 2

28	12/23/2012 8:00:00 PM	12/26/2012 10:05:00 PM	74.08	RS	Economic Dispatch
		Event Type Totals:	RS 74.08		

27 12/22/2012 11:24:00 AM 12/23/2012 8:00:00 PM 32.60 U2 Boiler Leak Repaired WW tubes on west side of boiler.

Event Type Totals: U2 32.60
Waterree Total Event Hrs: 145.77

Williams Unit: 1

41	12/17/2012 11:35:00 AM	12/17/2012 4:20:00 PM	4.75	D1	1A Coal Feeder
		Event Type Totals:	D1 4.75		

1A Coal Feeder speed swinging. Took feeder out of service and inspected.

42 12/20/2012 9:18:00 AM 12/20/2012 5:45:00 PM 8.45 D2 1E Coal Pulverizer

1E Coal Pulverizer pyrite chute stopped up. Took coal mill out of service and cleared blockage.

Event #	Started	Completed	Dur	Type	Verbal Description	Probable Cause/Corrective Action
		Event Type Totals: D2	8.45			
		Williams Total Event Hrs:	13.20			
		FH Fleet Grand Total:	6056.78			

15-Jan-13

PLANT PERFORMANCE DATA
UNIT CAPACITY FACTOR
(PERCENTAGE) 2012

PLANTS	Winter NET MW	* JAN	* FEB	* MAR	* APR	* MAY	* JUN	* JUL	* AUG	* SEP	* OCT	* NOV	* DEC	* YTD
Canadys #1	90	0.00	0.00	30.79	33.45	82.14	48.76	86.89	77.72	87.93	46.30	48.70	6.48	45.92%
Canadys #2	115	65.18	26.62	57.66	66.73	12.42	29.77	52.22	62.21	29.91	56.92	64.41	13.01	44.82%
Canadys #3	180	31.89	61.51	73.57	11.94	83.96	34.80	82.04	82.09	90.29	22.02	48.84	11.59	52.80%
McMeekin #1	125	61.80	59.66	8.18	0.00	0.00	0.00	0.00	0.00	0.00	32.86	76.74	4.69	20.13%
McMeekin #2	125	39.23	0.00	0.00	0.00	0.00	26.20	65.18	72.05	18.43	83.26	81.03	8.04	32.99%
Urquhart #3	96	46.10	71.39	83.39	25.82	55.55	12.48	72.10	77.67	80.93	12.20	35.12	13.06	48.80%
Wateree #1	342	71.19	0.00	0.00	42.95	69.32	61.92	74.62	67.81	61.19	77.17	82.07	72.30	56.97%
Wateree #2	342	73.52	64.66	68.87	74.39	68.60	65.12	72.01	66.18	59.13	59.52	55.42	65.50	66.11%
Williams #10	610	0.00	56.15	86.65	84.29	63.50	81.75	85.51	84.36	60.35	67.43	82.69	84.80	69.76%
Cope #415	415	76.43	37.86	77.50	77.21	42.28	73.53	73.87	76.80	18.99	0.00	25.72	72.76	54.56%
Cogen South #85	85	83.33	83.81	83.24	82.22	79.56	76.37	77.41	73.39	78.80	55.31	74.09	83.90	77.58%
Fossil w/o Cogen #2440	2440	45.70	41.20	57.48	56.88	54.37	58.32	72.36	71.51	50.59	48.44	62.22	55.76	56.31%
Fossil with Cogen #2525	2525	46.96	42.63	58.35	57.74	55.22	58.93	72.53	71.57	51.54	48.67	62.62	56.71	57.02%
Urq. Combined Cycle 5 #177	177	40.29	28.46	68.46	71.21	41.47	52.24	76.89	68.91	43.34	79.88	37.19	20.26	52.03%
Urq. Combined Cycle 1 #65	65	48.90	35.33	81.50	80.14	48.88	61.10	87.42	77.35	48.84	86.67	46.35	24.38	60.64%
Urq. Combined Cycle 6 #176	176	24.13	30.24	55.02	79.37	31.91	52.37	74.70	63.09	78.68	70.14	51.15	49.68	54.81%
Urq. Combined Cycle 2 #66	66	30.47	36.91	64.19	89.83	37.80	59.29	85.06	71.05	88.65	73.11	59.43	60.00	62.84%
Jasper Combined Cycle 1 #171	171	83.95	83.44	2.86	3.01	90.14	86.39	87.66	48.02	69.57	92.34	90.02	58.07	66.12%
Jasper Combined Cycle 2 #177	177	85.47	86.64	5.26	8.15	83.78	79.76	83.41	49.75	88.13	91.79	92.06	78.52	69.29%
Jasper Combined Cycle 3 #174	174	81.52	82.08	3.93	4.92	80.08	78.26	81.44	46.90	90.55	95.63	87.98	66.89	66.41%
Jasper ST #402	402	69.09	70.62	3.35	4.66	68.11	67.48	71.10	42.25	63.71	65.38	73.92	53.84	54.38%
Combined Cycle #1408	1408	62.51	62.05	24.71	30.27	64.34	68.04	78.43	53.39	70.45	79.11	70.48	53.26	58.55%
V.C.S. #966	966	102.2	102.3	102.3	102.0	102.0	101.5	101.1	101.0	101.3	37.3	0.0	76.6	85.62%
(S.C.E.G.) #644	644													
(S.C.P.S.A.) #322	322													
System w/o Cogen #4492	4492	66.40	63.83	60.96	62.88	71.59	74.93	85.72	77.70	71.35	58.44	55.89	63.46	67.78%
System with Cogen #4577	4577	66.72	64.20	61.37	63.25	71.74	74.96	85.56	77.62	71.49	58.38	56.22	63.84	67.97%

System includes Fossil, Combined Cycle, and V.C. Summer Units

MONTH: Dec-12

HOURS GENERATOR ON LINE: 593.1

UNIT AVAILABILITY FACTOR: 79.7

V.C. Summer, Unit 1

Monthly Outage Report For December-12

OUTAGE NO.	START TIME	END TIME	HOURS DURATION	TYPE	REASON FOR OUTAGE	CORRECTIVE ACTION
1	12/1/2012 00:00:00	12/7/2012 06:50:59	150.8	S	Refueling RF-20	Complete RF-20 activities